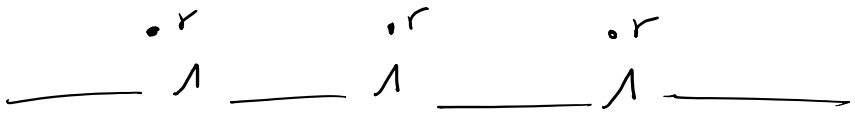
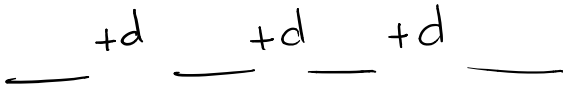
Geometric Sequences



$a_n = a_k \cdot r^{n-k}$

Arithmetic



$a_n = a_k + (n-k)d$

G

$$S_n = a_1\left[\frac{1-r^n}{1-r}\right] \quad r \neq 1$$

$a_n = a_k \cdot r^{n-k}$

$r = \frac{R}{L}$

A.

$S_n = \frac{n}{2}(a_1 + a_n)$

$a_n = a_k + (n-k)d$

$d = R - L$

12.4 14-35

50, 52, 54